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(57) Abstract:

PURPOSE: To stably obtain the performance of a bearing with small wearing and to improve the rigidity of a shaft by forming a spiral groove, surface symmetry with a bearing surface, in the opposite bearing surface.

CONSTITUTION: A thrust bearing 1 forms a spiral groove 3 on a bearing surface 2 while a spiral groove 5, surface symmetry with the groove 3, on an opposite bearing surface 4. Accordingly, the bearing 1 stably obtains its performance with small wearing and enables the rigidity of a shaft to be improved because coining work can be simultaneously applied to both surfaces of a material of the bearing.

